	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L4	103356	migration$1 or transfer$4 same stream$4 same ((meta adj data) or metadata) same (portion$1 or part or section$1 or segment$1 or piece$1)	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B	2003/11/05 10:15
2	BRS	L5	119	L4 same ((hierarch$5 same stor$4 same management$1) or hsm$1)	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B	2003/11/05 10:19
3	BRS	L6	2	L5 same sequen$5	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B	2003/11/05 10:21
4	BRS	L7	74	L5 and sequen$5	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B	2003/11/05 10:26
5	BRS	L8	6	L7 and (xml$1 or .html$1 or sgml$1 or (markup or (mark-up) adj language))	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B	2003/11/05 10:24
6	BRS	L9	52	L7 and (@rlad<=20000824 or @ad<=20000824)	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B	2003/11/05 10:26

	Document ID	Issue Date	Title	Current OR	Current XRef	Inventor
1	US 20020107877 A1	20020808	SYSTEM FOR BACKING UP FILES FROM DISK VOLUMES ON MULTIPLE NODES OF A COMPUTER NETWORK	707/204	711/162	WHITING, DOUGLAS L. et al.
2	US 20020073362 A1	20020613	Remote evaluation of a data storage device	714/42		Arnaout, Badih Mohamad Naji et al.
3	US 20020059309 A1	20020516	Implementing data management application programming interface access rights in a parallel file system	707/200	707/9; 711/163	Loy, Irit et al.
4	US 20010009900 A1	20010726	Human leukocyte 12-lipoxygenase and its role in the pathogenesis of disease states	514/12	435/189; 435/7.92	Nadler, Jerry L. et al.
5	US 6640145 B2	20031028	Media recording device with packet data interface	700/83	700/17; 700/19; 700/23; 704/200; 704/201; 704/7; 709/200; 709/201; 709/202	Hoffberg, Steven et al.
6	US 6625750 B1	20030923	Hardware and software failover services for a file server	714/11	714/13; 714/4	Duso, Wayne W. et al.
7	US 6502106 B1	20021231	System, method, and program for accessing secondary storage in a network system	707/104.1	707/200; 709/202; 709/203	Gampper, James Michael et al.
8	US 6486181 B1	20021126	Human leukocutye 12-lipoxygenase and its role in the pathogenesis of disease states	514/342		Nadler, Jerry L. et al.
9	US 6442601 B1	20020827	System, method and program for migrating files retrieved from over a network to secondary storage	709/218	709/219; 711/161	Gampper, James Michael et al.
10	US 6330572 B1	20011211	Hierarchical data storage management	707/205	707/100; 707/104.1; 707/203; 707/204	Sitka, Larry
11	US 6272605 B1	20010807	System using priority data of a host recall request to determine whether to release non-volatile storage with another host before processing further recall requests	711/151	709/213; 709/214	Le, Cuong Minh et al.
12	US 6269382 B1	20010731	Systems and methods for migration and recall of data from local and remote storage	707/204	707/203; 711/113	Cabrera, Luis Felipe et al.
13	US 6230200 B1	20010508	Dynamic modeling for resource allocation in a file server	709/226	709/219	Forecast, John et al.
14	US 6191169 B1	20010220	Human leukocyte 12-lipoxygenase and its role in the pathogenesis of disease states	514/562	514/637; 514/866	Nadler, Jerry L. et al.
15	US 6131190 A	20001010	System for modifying JCL parameters to optimize data storage allocations	717/115	717/127; 717/136	Sidwell, Leland P.
16	US 6098074 A	20000801	Storage management system with file aggregation	707/200	707/204	Cannon, David Maxwell et al.
17	US 6041334 A	20000321	Storage management system with file aggregation supporting multiple aggregated file counterparts	707/204	707/205	Cannon, David Maxwell
18	US 6021415 A	20000201	Storage management system with file aggregation and space reclamation within aggregated files	707/206	707/205	Cannon, David Maxwell et al.

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19	US 5991753 A	19991123	Method and system for computer file management, including file migration, special handling, and associating extended attributes with files	707/2	707/204; 707/205	Wilde, Michael J.
20	US 5987621 A	19991116	Hardware and software failover services for a file server	714/4	709/224	Duso, Wayne W. et al.
21	US 5983239 A	19991109	Storage management system with file aggregation supporting multiple aggregated file counterparts	707/200	707/203; 707/205	Cannon, David Maxwell
22	US 5974503 A	19991026	Storage and access of continuous media files indexed as lists of raid stripe sets associated with file names	711/114	714/6; 714/7	Venkatesh, Dinesh et al.
23	US 5892915 A	19990406	System having client sending edit commands to server during transmission of continuous media from one clip in play list for editing the play list	709/219	725/116; 725/93	Duso, Wayne W. et al.
24	US 5881311 A	19990309	Data storage subsystem with block based data management	710/4	710/3; 710/65	Woods, Harold L.
25	US 5875481 A	19990223	Dynamic reconfiguration of data storage devices to balance recycle throughput	711/165	707/206; 711/112; 711/173	Ashton, Lyn Lequam et al.
26	US 5822780 A	19981013	Method and apparatus for hierarchical storage management for data base management systems	711/165	707/104.1; 707/2; 707/204; 711/114; 711/117; 711/161	Schutzman, Neil F.
27	US 5778395 A	19980707	System for backing up files from disk volumes on multiple nodes of a computer network	707/204	707/10	Whiting, Douglas L. et al.
28	US 5737747 A	19980407	Prefetching to service multiple video streams from an integrated cached disk array	711/118	711/113	Vishlitzky, Natan et al.
29	US 5678042 A	19971014	Network management system having historical virtual catalog snapshots for overview of historical changes to files distributively stored across network domain	714/47	707/10; 707/7; 709/224; 710/100	Pisello, Thomas et al.
30	US 5666512 A	19970909	Disk array having hot spare resources and methods for using hot spare resources to store user data	711/114	714/6	Nelson, Marvin D. et al.
31	US 5664187 A	19970902	Method and system for selecting data for migration in a hierarchic data storage system using frequency distribution tables	707/205	707/200; 707/201; 707/203; 707/206; 711/114; 714/6; 714/770	Burkes, Theresa A. et al.
32	US 5664146 A	19970902	Graphical user communications interface for an operator in a manual data storage library	711/115	345/762; 345/781; 710/13; 711/114	Bolin, Mark Robert et al.
33	US 5659743 A	19970819	Method and apparatus for a pattern based spaced management system	707/205		Adams, John J. et al.
34	US 5659704 A	19970819	Methods and system for reserving storage space for data migration in a redundant hierarchic data storage system by dynamically computing maximum storage space for mirror redundancy	711/114	714/6	Burkes, Theresa A. et al.

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35	US 5651133 A	19970722	Methods for avoiding over-commitment of virtual capacity in a redundant hierarchic data storage system	711/114	714/6	Burkes, Theresa A. et al.
36	US 5649196 A	19970715	System and method for distributed storage management on networked computer systems using binary object identifiers	707/204	707/202; 707/9; 711/173; 714/1; 714/41; 714/48; 714/6	Woodhill, James R. et al.
37	US 5644766 A	19970701	System and method for managing a hierarchical storage system through improved data migration	707/204	707/205; 711/161	Coy, Henry Robert et al.
38	US 5615352 A	19970325	Methods for adding storage disks to a hierarchic disk array while maintaining data availability	711/114	714/6	Jacobson, Michael B. et al.
39	US 5572661 A	19961105	Methods and system for detecting data loss in a hierarchic data storage system	714/7		Jacobson, Michael B.
40	US 5546558 A	19960813	Memory system with hierarchic disk array and memory map store for persistent storage of virtual mapping information	711/114		Jacobson, Michael B. et al.
41	US 5546315 A	19960813	Simplified storage media library subsystem	700/218		Kleinschnitz, Donald J.
42	US 5542065 A	19960730	Methods for using non-contiguously reserved storage space for data migration in a redundant hierarchic data storage system	711/114	711/154; 711/206	Burkes, Theresa A. et al.
43	US 5537534 A	19960716	Disk array having redundant storage and methods for incrementally generating redundancy as data is written to the disk array	714/6	711/114	Voigt, Douglas L. et al.
44	US 5495607 A	19960227	Network management system having virtual catalog overview of files distributively stored across network domain	707/10	710/100; 714/1	Pisello, Thomas et al.
45	US 5475834 A	19951212	Integration of migration level two and backup tape processing using multiple inventory entries	707/203	711/117; 711/161	Anglin, Matthew J. et al.
46	US 5392244 A	19950221	Memory systems with data storage redundancy management	711/114	711/163; 711/165; 711/170; 711/173; 711/206; 711/4; 714/718; 714/770	Jacobson, Michael B. et al.
47	US 5367698 A	19941122	Network file migration system	709/203	709/219	Webber, Neil F. et al.
48	US 5239649 A	19930824	Channel path load balancing, through selection of storage volumes to be processed, for long running applications	709/105	710/15; 710/18; 710/6	McBride, Gregory E. et al.
49	US 5018060 A	19910521	Allocating data storage space of peripheral data storage devices using implied allocation based on user parameters	707/205		Gelb, Jack P. et al.
50	US 4987533 A	19910122	Method of managing data in a data storage hierarchy and a data storage hierarchy therefor with removal of the least recently mounted medium	707/204	369/30.28; 707/205	Clark, Connie M. et al.
51	US 4771375 A	19880913	Managing data storage devices connected to a digital computer	711/111	711/165	Beglin, Thomas W. et al.

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52	US 4638424 A	19870120	Managing data storage devices connected to a digital computer	711/117	711/112	Beglin, Thomas W. et al.